

Docket No. 290237US0PCT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: :

Hiroshi YAGUCHI, et al. :

EXAMINER: FOGARTY, CAITLIN ANNE

SERIAL NO.: 10/579,798 :

FILED: MAY 18, 2006 :

GROUP ART UNIT: 1793

FOR: LOW CARBON COMPOSITE FREE-CUTTING STEEL  
PRODUCT EXCELLENT IN ROUGHNESS OF FINISHED  
SURFACE AND METHOD FOR PRODUCTION THEREOF

DECLARATION UNDER 37 C.F.R. 1.132

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

I, Takehiro Tsuchida, hereby declare:

1. I am familiar with the subject matter of the above-referenced patent application.
2. I have been asked to explain why the low O/S value in example 11 of this patent application should not be considered to be responsible for the poor characteristics of the product in example 11.
3. The higher Mn\*S value in example 11 meant that the S value was excessively high in the example, leading to a reduction in free oxygen necessary for the control of the configuration of MnS, which deteriorated machinability and led to poor product characteristics.
4. Thus, the low O/S value in example 11 should not be considered to be responsible for the poor characteristics of the product in example 11 because the high Mn\*S value would have resulted in oxygen reduction and low oxygen content. In other words, the high Mn\*S value in

example 11 was responsible for the low oxygen content in the example as well as the poor characteristics of the product in the example.

5. The undersigned petitioner declares further that all statements made herein of her own knowledge are true and that all statements made on information and belief are believe to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

6. Further deponent sayeth not.

Takemiro Tsuchida  
Name

Takemiro Tsuchida  
Signature

September 29, 2009  
Date